

We claim:

1. A method to facilitate conducting an Internet protocol session comprising:
 - retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node;
 - using that at least one temporary Internet protocol session parameter to facilitate initiation of an Internet protocol session with the node.
2. The method of claim 1 wherein retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node comprises retrieving from memory a temporarily assigned Internet protocol address as was recently previously assigned to the node.
3. The method of claim 2 wherein retrieving from memory a temporarily assigned Internet protocol address as was recently previously assigned to the node comprises retrieving from memory a temporarily assigned Internet protocol address as was recently previously assigned to the node and not then yet subsequently returned to a pool of available temporary Internet protocol addresses.
4. The method of claim 1 wherein retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node comprises retrieving from memory at least one point-to-point protocol session parameter.
5. The method of claim 1 wherein retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node comprises retrieving from memory at least one domain name system session parameter.
6. The method of claim 1 wherein retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node comprises retrieving from memory at least one Internet protocol session compression parameter.

7. The method of claim 4 wherein retrieving from memory at least one point-to-point protocol session parameter comprises retrieving from memory at least one point-to-point protocol session parameter as corresponds to a recent point-to-point protocol session as was conducted with the node.
8. The method of claim 4 wherein retrieving from memory at least one point-to-point protocol session parameter comprises retrieving from memory a plurality of point-to-point protocol session parameters.
9. The method of claim 4 wherein using that at least one temporary Internet protocol session parameter to facilitate initiation of an Internet protocol session with the node comprises using the at least one point-to-point protocol session parameter to negotiate a new point-to-point protocol session with the node.
10. The method of claim 1 wherein retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node comprises only retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node when the node seeks to facilitate the Internet protocol session within a predetermined period of time following termination of a previous Internet protocol session.
11. The method of claim 1 wherein retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a first node comprises retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node when a second node seeks to communicate with the first node within a predetermined period of time following termination of a previous Internet protocol session.
12. The method of claim 1 wherein retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node comprises retrieving from memory at a packet data serving node at least one temporary Internet protocol session parameter as corresponds to a node.

13. The method of claim 1 wherein retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node comprises retrieving from memory at a remote access server at least one temporary Internet protocol session parameter as corresponds to a node.

14. The method of claim 1 wherein retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node comprises retrieving from memory at a home agent at least one temporary Internet protocol session parameter as corresponds to a node.

15. The method of claim 1 wherein retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node comprises retrieving from memory at a gateway general packet radio service support node at least one temporary Internet protocol session parameter as corresponds to a node.

16. A method to facilitate conducting an Internet protocol session comprising:

- conducting a first Internet protocol session with a node using at least one temporary session parameter;
- upon concluding the first Internet protocol session, storing information that corresponds to the at least one temporary Internet protocol session parameter;
- when the node seeks to initiate a second Internet protocol session within a predetermined period of time as corresponds to concluding the first Internet protocol session:
 - retrieving from memory the at least one temporary Internet protocol session parameter;
 - using that at least one temporary Internet protocol session parameter to facilitate the second Internet protocol session.

17. The method of claim 16 wherein storing information that corresponds to the at least one temporary Internet protocol session parameter comprises storing information that corresponds to a temporary Internet protocol address as was assigned to the node for the first Internet protocol session.

18. The method of claim 16 wherein storing information that corresponds to the at least one temporary Internet protocol session parameter comprises storing information that corresponds to point-to-point protocol session parameters as were negotiated by the node for the first Internet protocol session.

19. The method of claim 16 wherein retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node comprises retrieving from memory at least one domain name system session parameter.

20. The method of claim 16 wherein retrieving from memory at least one temporary Internet protocol session parameter as corresponds to a node comprises retrieving from memory at least one Internet protocol session compression parameter.

21. The method of claim 16 wherein the predetermined period of time comprises a substantially fixed predetermined period of time.

22. The method of claim 21 wherein the substantially fixed predetermined period of time is selected from within a range of candidate periods of time.

23. The method of claim 16 wherein the predetermined period of time comprises a dynamically determined period of time.

24. The method of claim 23 and further comprising:

- determining the dynamically determined period of time as a function, at least in part, of a time when the first Internet protocol session concludes.

25. The method of claim 24 wherein determining the dynamically determined period of time as a function, at least in part, of a time when the first Internet protocol session concludes comprises determining the dynamically determined period of time as a function, at least in part, of a time of day when the first Internet protocol session concludes.

26. The method of claim 24 wherein determining the dynamically determined period of time as a function, at least in part, of a time when the first Internet protocol session concludes comprises determining the dynamically determined period of time as a function, at least in part, of a day when the first Internet protocol session concludes.

27. The method of claim 23 and further comprising:

- determining the dynamically determined period of time as a function, at least in part, of a prioritization as pertains to the node.

28. The method of claim 23 and further comprising:

- determining the dynamically determined period of time as a function, at least in part, of available Internet protocol session resources.

29. The method of claim 28 wherein determining the dynamically determined period of time as a function, at least in part, of available Internet protocol session resources comprises determining the dynamically determined period of time as a function, at least in part, of available temporary Internet protocol addresses.

30. An Internet protocol session facilitation apparatus comprising:

- an Internet protocol session facilitator;
- a memory having at least one previous temporary Internet protocol session parameter as corresponds to a recently concluded session temporarily stored for no more than a limited time therein as corresponds to a concluded Internet protocol session.

31. The Internet protocol session facilitation apparatus of claim 30 wherein the Internet protocol session facilitator comprises a packet data serving node.

32. The Internet protocol session facilitation apparatus of claim 30 wherein the Internet protocol session facilitator comprises a remote access server.

33. The Internet protocol session facilitation apparatus of claim 30 wherein the Internet protocol session facilitator comprises a home agent.

34. The Internet protocol session facilitation apparatus of claim 30 wherein the Internet protocol session facilitator comprises a gateway general packet radio service support node.

35. The Internet protocol session facilitation apparatus of claim 30 wherein the Internet protocol session facilitator comprises an authentication, authorization, and accounting node.

36. The Internet protocol session facilitation apparatus of claim 30 wherein the Internet protocol session facilitator comprises hang-time means for using the at least one previous temporary Internet protocol session parameter to facilitate a new Internet protocol session for a common node.

37. The Internet protocol session facilitation apparatus of claim 36 wherein the hang-time means only uses the at least one previous temporary Internet protocol session parameter to facilitate a new Internet protocol session when the common node seeks to initiate the new Internet protocol session within a predetermined period of time of when a previous Internet protocol session concluded.

38. The Internet protocol session facilitation apparatus of claim 30 wherein the at least one previous temporary Internet protocol session parameter comprises a temporary Internet protocol address.

39. The Internet protocol session facilitation apparatus of claim 38 wherein the temporary Internet protocol address comprises a simple Internet protocol address.

40. The Internet protocol session facilitation apparatus of claim 30 wherein the at least one previous temporary Internet protocol session parameter comprises at least one point-to-point protocol negotiated session parameter.

41. The Internet protocol session facilitation apparatus of claim 30 wherein the at least one previous temporary Internet protocol session parameter comprises:

- a temporary Internet protocol address; and
- at least one point-to-point protocol negotiated session parameter.